

CA 8/19/05  
Figs. 28A, 28B, 28C, <sup>and 28E</sup> ~~and 28D~~ are diagrams for explaining a signal output method employed by a color image pickup apparatus according to a fifth embodiment of the present invention;

5        Fig. 29 is a circuit diagram showing the color image pickup apparatus according to the embodiment;

      Fig. 30 is a timing chart for a signal output method in Fig. 28A;

10       Fig. 31 is a timing chart for a signal output method in Fig. 28B;

      Fig. 32 is a timing chart for a signal output method in Fig. 28C;

      Fig. 33 is a timing chart for a signal output method in Fig. 28D;

15       Fig. 34 is a diagram showing a two pixel arrangement using a common amplifier;

      Fig. 35 is a diagram showing a four pixel arrangement using a common amplifier;

20       Fig. 36 is a diagram for explaining an adjustment gain for each signal output method;

      Fig. 37 is a block diagram showing an example pickup system using the color pickup apparatus of this embodiment;

25       Fig. 38 is a diagram showing a layout for unit cells according to a sixth embodiment of the present invention;

      Fig. 39 is a diagram showing a layout for unit